

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/05/05

Date Received: 12/30/04

Project: Metro Self Monitor, PO# M95009, F&BI 412280

Date Extracted: 01/04/05

Date Analyzed: 01/04/05

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE
FOR TOTAL METALS BY
INDUCTIVELY COUPLED PLASMA (ICP)
(METHOD 6010)**

Results Reported as mg/L (ppm)

<u>Sample ID</u> Laboratory ID	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M95009 412280-01	0.45	0.92	0.62	<0.05
Method Blank	<0.05	<0.05	<0.10	<0.05

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**QUALITY ASSURANCE RESULTS
FOR TOTAL METALS BY
INDUCTIVELY COUPLED PLASMA (ICP)
(METHOD 6010)**

Laboratory Code: 412280-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	0.45	0.45	0	0-20
Copper	mg/L (ppm)	0.92	0.93	1	0-20
Nickel	mg/L (ppm)	0.62	0.61	2	0-20
Zinc	mg/L (ppm)	<0.05	<0.05	nm	0-20

Laboratory Code: 412280-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	mg/L (ppm)	5	0.45	95	50-150
Copper	mg/L (ppm)	5	0.92	95	50-150
Nickel	mg/L (ppm)	10	0.62	91	50-150
Zinc	mg/L (ppm)	5	<0.05	90	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	mg/L (ppm)	5	101	70-130
Copper	mg/L (ppm)	5	100	70-130
Nickel	mg/L (ppm)	10	98	70-130
Zinc	mg/L (ppm)	5	94	70-130

SAMPLE CHAIN OF CUSTODY

CM 12/30/04 AI 1

412280
 Send Report To GERALD Thompson
 Company Alaskan Copper Works
 Address 628 S. Harvard St
 City, State, ZIP Seattle WA 98023
 Phone # 206-382-8709 Fax # 206-382-4709

SAMPLERS (signature)

PROJECT NAME/NO.

metro self monitor

PO #

M95009

REMARKS

Page # of

TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes	
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS						
M 95009	01	12/30/04	12:30	H2O	1								X CH CY HZ W				

Friedman & Bruya, Inc.
 3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE

Relinquished by:

Received by:

Relinquished by:

Received by:

PRINT NAME

G. Thompson

HONG NGUYEN

COMPANY

ACW

FBI

DATE

12/30/04

1

TIME

1:40pm

1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

January 5, 2005

DUPLICATE COPY

INVOICE # 05ACU0105-1

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M95009, F&BI 412280 - Results of testing
requested by Gerry Thompson for material submitted on December 30, 2004.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc by Method 6010B @ \$80 per sample	<u>\$ 80.00</u>
Amount Due	\$ 80.00

FEDERAL TAX ID #(b) (6)

FRIEDMAN & BRUYA, INC.

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January 5, 2005

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on December 30, 2004 from the Metro Self Monitor, PO# M95009, F&BI 412280 project. There are 2 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Charlene Morrow
Chemist

Enclosures
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